

ABSTRACT

An emulsified water-blended fuel composition comprising:

(A) about 50% to about 99% by weight of a hydrocarbon fuel;

(B) about 1% to about 50% by weight of water;

5 (C) about 0.1% to about 10% of a minor emulsifying amount of at least one fuel-soluble salt comprised of (I) a first acylating agent, said first acylating agent having at least one hydrocarbyl substituent of about 20 to 500 carbon atoms and a molecular weight (Mn) in the range of about 500 Mn to 10,000 Mn, (II) a second acylating agent, said second acylating agent selected from the group consisting of monocarboxylic agents, polycarboxylic agents, dicarboxylic agents and combinations thereof; and wherein said second acylating agent has at least 1 hydrocarbyl substituent of up to about 35 carbon atoms and reacting said carboxylic acylating agents (I) and (II) with (III) an ammonia or an amine to form a salt;

(D) about 0.001% to about 15% by weight of the water-soluble salt distinct from component (C).